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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet | 1

1

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2

Application Number

**Complete if Known**

**10/735,008**

Filing Date

**DECEMBER 12, 2003**

First Named Inventor

CHENG ET AL.

### Group Art Unit

**UNKNOWN**

**Examiner Name**

**UNKNOWN**

Attorney Docket Number

CL2028 US NA

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner  
Signature**

**/Tekchand Saidha/**

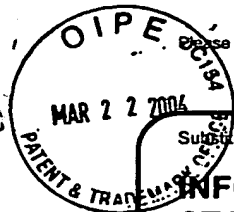
Date Considered

06/26/2006

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2

of 2

### Complete if Known

Application Number	10/735,008
Filing Date	DECEMBER 12, 2003
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Examiner Name	UNKNOWN
Attorney Docket Number	CL2028 US NA

### OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
TS		Armstrong, In Comprehensive Natural Products Chemistry, Elsevier Press, Vol. 2, ppl 321-352, 1999	
TS		Armstrong et al., Eubacteria Show Their True Colors: Genetics of Carotenoid Pigment Biosynthesis from Microbes to Plants, J. Bact., Vol. 176, 4795-4802, 1994	
TS		Armstrong, Genetics of Eubacterial Carotenoid Biosynthesis: A Colorful Tale, Annu. Rev. Microbiol. Vol. 51, pp. 629-659, 1997	
TS		Kim et al., Metabolic Engineering of the Nonmevalonate Isopentenyl Diphosphate Synthesis Pathway in Escherichia coli Enhances Lycopene Production, Biotech. Bioeng., Vol. 72: pp 408-415, 2001	
TS		Mathews et al., Metabolic engineering of carotenoid accumulation in Escherichia coli by modulation of the isoprenoid precursor pool with expression of deoxyxylulose phosphate synthase, Appl. Microbiol. Biotechnol., 53: 396-400, 2000	
TS		Harker et al., Expression of prokaryotic 1-deoxy-D-xylulose-5-phosphatases in Escherichia coli increases carotenoid and ubiquinone biosynthesis, FEBS Letter., Vol. 448: 115-119, 1999	
TS		Misawa et al., Metabolic engineering for the production of carotenoids in non-carotenogenic bacteria and yeasts, Vol. 59: pp. 169-181, 1998	
TS		Kijwara et al., Expression of an exogenous isopentenyl diphosphate isomerase gene enhances isoprenoid biosynthesis in Escherichia coli, Biochem. J., Vol. 324: pp. 421-426, 1997	
TS		Wang et al., Engineered Isoprenoid Pathway Enhances Astaxanthin Production In Escherichia coli, Biotech. Bioeng., Vol. 62: pp. 235-241, 1999	
TS		Wang et al., Directed Evolution of Metabolically Engineered Escherichia coli for Carotenoid Production, Biotechnol. Prog. Vol. 16, 922-926, 2000	
TS		Lagarde et al., Increased Production of Zeaxanthin and Other Pigments by Application of Genetic Engineering Techniques to Synechocystis sp. Strain PCC 6803, Appl. Env. Microbiol., Vol. 66: pp. 64-72, 2000	
TS		Szkopinska et al., Polyprenol formation in the yeast Saccharomyces cerevisiae: effect of farnesyl diphosphate synthase overexpression, J. Lipid Res., Vol. 38, pp: 962-968, 1997	
TS		Shimada et al., Increased Carotenoid Production by the Food Yeast Candida utilis through Metabolic Engineering of the Isoprenoid Pathway, Appl. Env. Microb., Vol. 64: pp. 2676-2680, 1998	
TS		Yamano et al., Metabolic Engineering for Production of $\beta$ -Carotene and Lycopene in Saccharomyces cerevisiae, Biosci. Biotech. Biochem., Vol. 58, pp: 1112-1114, 1994	
TS		Sandmann, G., Genetic manipulation of carotenoids biosynthesis: strategies, problems and achievements, Trends in Plant Science, Vol. 6: pp. 14-17, 2001	

Examiner Signature	/Tekchand Saidha/	Date Considered	06/26/2006
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